

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mobile communication system, comprising:

a mobile node device according to Mobile IP protocol;

an AAAH server device according to a prescribed AAA protocol which is provided at a home network of the mobile node device, for supporting an authentication and accounting service with respect to ~~packet communications by~~ a utilization of a packet communication service associated with an accounting of a communication fee of the mobile node device;

the mobile node device having a transmission unit configured to transmit an authentication and accounting request ~~for requesting a desired accounting~~ necessary for a service of a desired service content related to an accounting other than a packet communication service ~~[[at]]~~ to the AAAH server device; and

the AAAH server device ~~having~~ comprising:

an information recording unit configured to record communication fee information regarding a communication fee to be charged to a user of the mobile node device; and

~~[[a]]~~ an authentication and accounting processing unit configured to receive the authentication and accounting request from the mobile node device, and to carry out authentication and accounting processes for the packet communications by the mobile node device according to the communication fee information, and a processing for providing the desired accounting service according to and the authentication and accounting request ~~which is received from the mobile node device when it is judged that authentication succeeded according to authentication information contained in the authentication and accounting request;~~

wherein the service of the desired service content includes at least a service that requires a process for a payment of a charged amount to another party by the AAAH server device and a process for a transfer of the charged amount to the communication fee of a user of the mobile node device.

Claim 2 (Currently Amended): The mobile communication system of claim 1, wherein the authentication and accounting processing unit of the AAAH server device is operated such that, when the ~~desired-accounting~~ service of the desired service content is a processing for transferring ~~[[a]]~~ the charged amount to be paid to said another party by the user of the mobile node device to the communication fee of the user of the mobile node device, the communication fee information is recorded in the information recording unit according to the charged amount.

Claim 3 (Currently Amended): The mobile communication system of claim 2, wherein the authentication and accounting processing unit also carries out a procedure for paying the charged amount to said another party when the ~~desired-accounting~~ service of the desired service content is ~~[[a]]~~ the payment of the charged amount to said another party.

Claim 4 (Currently Amended): The mobile communication system of claim 2, wherein the authentication and accounting processing unit of the AAAH server device is operated such that, when the ~~desired-accounting~~ service of the desired service content is the processing for transferring the charged amount to be paid to said another party by the user of the mobile node device to the communication fee of the user of the mobile node device, the authentication and accounting processing unit notifies information regarding the authentication and accounting request from the mobile node device to another AAA server

device for supporting the authentication and accounting service with respect to a mobile node of said another party.

Claim 5 (Currently Amended): The mobile communication system of claim 2, wherein the authentication and accounting processing unit of the AAAH server device is operated such that, when the ~~desired-accounting~~ service of the desired service content is acquisition of a charged amount information regarding the charged amount to be paid to said another party by the user of the mobile node device, the authentication and accounting processing unit acquires the charged amount information from a device providing the charged amount information and transfers the charged amount information to the mobile node device.

Claim 6 (Currently Amended): The mobile communication system of claim 1, further comprising:

an AAAF server device according to the prescribed AAA protocol which is provided at a visited network of the mobile node device, for supporting the authentication and accounting service with respect to ~~packet communications by~~ the utilization of the packet communication service associated with the accounting of the communication fee of the mobile node device, the AAAF server device having a transmission unit configured to transmit another authentication and accounting request for requesting an accounting with respect to the ~~packet communications by~~ utilization of the packet communication service associated with the accounting of the communication fee of the mobile node device that has moved to the visited network;

wherein the authentication and accounting processing unit of the AAAH server device is operated such that, when said another authentication and accounting request is received from the AAAF server device and it is judged that authentication succeeded according to an

authentication information contained in said another authentication and accounting request, the communication fee information is recorded in the information recording unit according to information regarding the accounting contained in said another authentication and accounting request.

Claim 7 (Currently Amended): A mobile node device according to Mobile IP protocol, comprising:

a Mobile IP processing unit configured to carry out a procedure for receiving a packet transfer service according to the Mobile IP by a home agent device provided at a home network of the mobile node device and a foreign agent device provided at a visited network of the mobile node device; and

an AAA processing unit configured to carry out a procedure for receiving a ~~desired accounting service~~ of a desired service content related to an accounting other than a packet communication service, with respect to an AAAH server device according to a prescribed AAA protocol which is provided at the home network for ~~managing information regarding supporting an authentication and accounting service with respect to a utilization of the packet communication service~~ associated with an accounting of a communication fee of the mobile node device, while receiving the packet transfer service at the Mobile IP processing unit;

wherein the service of the desired service content includes at least a service that requires a process for a payment of a charged amount to another party by the AAAH server device and a process for a transfer of the charged amount to the communication fee of a user of the mobile node device.

Claim 8 (Currently Amended): The mobile node device of claim 7, wherein the AAA processing unit carries out a procedure for requesting the transfer of ~~[[a]]~~ the charged amount

to be paid to said another party by ~~[[a]]~~ the user of the mobile node device to the communication fee of the user of the mobile node device.

Claim 9 (Currently Amended): The mobile node device of claim 8, wherein the AAA processing unit carries out a procedure for requesting the payment of the charged amount to said another party.

Claim 10 (Currently Amended): The mobile node device of claim 8, wherein the AAA processing unit carries out a procedure for requesting acquisition of ~~[[a]]~~ the charged amount information regarding the charged amount to be paid to said another party by the user of the mobile node device.

Claim 11 (Currently Amended): An AAAH server device according to a prescribed AAA protocol which is provided at a home network of a mobile node device according to Mobile IP protocol in a mobile communication system, for supporting an authentication and accounting service with respect to ~~packet communications by~~ a utilization of a packet communication service associated with an accounting of a communication fee of the mobile node device, the AAAH server device comprising:

an information recording unit configured to record communication fee information regarding a communication fee to be charged to a user of the mobile node device; and

~~[[a]]~~ an authentication and accounting processing unit configured to receive the authentication and accounting request for a service of a desired service content related to an accounting other than a packet communication service from the mobile node device, and to carry out authentication and accounting processes for the~~packet communications by the mobile node device according to the communication fee information, and a procedure for~~

~~providing a desired accounting service according to an~~ and the authentication and accounting request ~~which is received from the mobile node device when it is judged that authentication succeeded according to authentication information contained in the authentication and accounting request;~~

wherein the service of the desired service content includes at least a service that requires a process for a payment of a charged amount to another party by the AAAH server device and a process for a transfer of the charged amount to the communication fee of a user of the mobile node device.

Claim 12 (Currently Amended): The AAAH server device of claim 11, wherein the authentication and accounting processing unit is operated such that, when the ~~desired~~ accounting service of the desired service content is a processing for transferring ~~[[a]]~~ the charged amount to be paid to said another party by the user of the mobile node device to the communication fee of the user of the mobile node device, the communication fee information is recorded in the information recording unit according to the charged amount.

Claim 13 (Currently Amended): The AAAH server device of claim 12, wherein the authentication and accounting processing unit also carries out a procedure for paying the charged amount to said another party when the ~~desired accounting service~~ of the desired service content is ~~[[a]]~~ the payment of the charged amount to said another party.

Claim 14 (Currently Amended): The AAAH server device of claim 12, wherein the authentication and accounting processing unit is operated such that, when the ~~desired~~ accounting service of the desired service content is the processing for transferring the charged amount to be paid to said another party by the user of the mobile node device to the

communication fee of the user of the mobile node device, the authentication and accounting processing unit notifies information regarding the authentication and accounting request from the mobile node device to another AAA server device for supporting the authentication and accounting service with respect to a mobile node of said another party.

Claim 15 (Currently Amended): The AAAH server device of claim 12, wherein the authentication and accounting processing unit is operated such that, when the desired accounting service of the desired service content is acquisition of a charged amount information regarding the charged amount to be paid to said another party by the user of the mobile node device, the authentication and accounting processing unit acquires the charged amount information from a device providing the charged amount information and transfers the charged amount information to the mobile node device.

Claim 16 (Currently Amended): The AAAH server device of claim 11, wherein the mobile communication system has an AAAF server device according to the prescribed AAA protocol which is provided at a visited network of the mobile node device, for supporting the authentication and accounting service with respect to ~~packet communications by the~~ utilization of the packet communication service associated with the accounting of the communication fee of the mobile node device and transmitting another authentication and accounting request for requesting an accounting with respect to the ~~packet communications~~ by utilization of the packet communication service associated with the accounting of the communication fee of the mobile node device that has moved to the visited network; and the authentication and accounting processing unit is operated such that, when said another authentication and accounting request is received from the AAAF server device and it is judged that authentication succeeded according to an authentication information

contained in said another authentication and accounting request, the communication fee information is recorded in the information recording unit according to information regarding accounting contained in said another authentication and accounting request.

Claims 17-18 (Canceled).

Claim 19 (Currently Amended): A method for providing a mobile node device information, comprising:

notifying information indicating a state of a mobile node device according to Mobile IP protocol from a home agent provided at a visited network at which an initial registration of the mobile node device was made or a prescribed server device according to a prescribed AAA protocol which detected the state of the mobile node device to a WWW server device for providing information of the mobile node device; and

updating a display format of a prescribed display content corresponding to the mobile node device to a new display format corresponding to a notified state at a WWW page corresponding to the mobile node device provided by the WWW server device upon receiving the information indicating the state of the mobile node device;

wherein the state includes at least a first state in which the mobile node device is located at a home network, a second state in which the mobile node device is located at the visited network, and a third state in which the mobile node device is not located in either the home or visited network, and

the home agent device or an AAAH server device detects the first state or the second state according to a mobile registration request transmitted from the mobile node device, and detects the third state according to a fact that the mobile registration request is not transmitted from the mobile node device within a life time after detecting the second state.



Claim 20 (Original): A method for confirming a correspondent terminal, comprising:  
transmitting a confirmation request from a first terminal device to a second terminal device which is a mobile node device according to Mobile IP protocol, before carrying out a call setup procedure from the first terminal device with respect to the second terminal device, the confirmation request containing an identification information including a host name or a set of a host name and a user name of the second terminal device as recognized by the first terminal device;

comparing the identification information contained in the confirmation request with an actual identification information including an actual host name or a set of an actual host name and an actual user name of the second terminal device, at the second terminal device upon receiving the confirmation request, and returning an affirmative response when the identification information contained in the confirmation request coincides with the actual identification information of the second terminal device or a negative response when the identification information contained in the confirmation request does not coincide with the actual identification information of the second terminal device, from the second terminal device to the first terminal device; and

carrying out the call setup procedure from the first terminal device with respect to the second terminal device when the affirmative response from the second terminal device is received at the first terminal device.